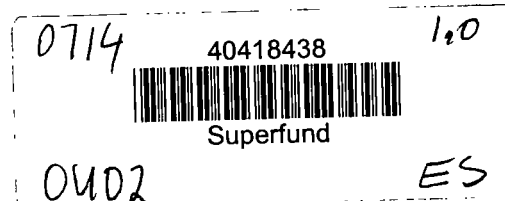


From: HertzWu, Sara
To: Weber, Rebecca
Cc: Skelley, Dana
Subject: MDNR Odor Regulation
Date: Monday, April 08, 2013 8:03:00 AM
Attachments: 10c10-6.165.pdf

Becky: Attached is MDNR's odor regulation, which can be found at 10 CSR 10-6.165. This regulation is cited in the lawsuit filed by the MO AG. Please let me know if you have questions.

Thanks.

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from—

(A) Stack heights on which construction commenced on or before December 31, 1970, except where pollutants are being emitted from the stacks by source operations which were constructed, or reconstructed or on which major modifications were carried out after December 31, 1970; or

(B) Dispersion techniques implemented before December 31, 1970, except where these dispersion techniques are being applied to source operations which were constructed, or reconstructed or on which major modifications were carried out after December 31, 1970.

AUTHORITY: section 643.050, RSMo Supp. 1992.* Original rule filed Jan. 6, 1986, effective May 11, 1986.

*Original authority: 643.050, RSMo 1965, amended 1972, 1992.

10 CSR 10-6.150 Circumvention

PURPOSE: This rule prohibits the installation or use of any device or means which conceals or dilutes an emission violating a rule.

(1) No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceal or dilute an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

AUTHORITY: section 643.050, RSMo Supp. 1992.* This rule was previously filed as 10 CSR 10-2.090, 10 CSR 10-4.130 and 10 CSR 10-5.230. Original rule filed April 18, 1990, effective Nov. 30, 1990.

*Original authority: 643.050, RSMo 1965, amended 1972, 1992.

10 CSR 10-6.160 Medical Waste and Solid Waste Incinerators

Editor's Note: On March 29, 1993, the Circuit Court of Cole County found that 10 CSR 10-6.160 was void since it exceeds the statutory cost analysis requirements of sections 536.200 and 536.205, RSMo.

10 CSR 10-6.165 Restriction of Emission of Odors

PURPOSE: This rule restricts the emission of excessive odorous matter. The evidence supporting the need for this proposed rulemak-

ing, per section 536.016, RSMo, are minutes from a May 28, 2009, Missouri Air Conservation Commission meeting, letters from Washington University in St. Louis School of Law and the Attorney General's Office dated October 6, 2006, and odor workgroup meeting notes from 2007.

(1) Applicability. This rule shall apply to any person that causes, permits, or allows emission of odorous matter throughout the state of Missouri, except—

(A) The provisions of section (3) of this rule shall not apply to the emission of odorous matter from the pyrolysis of wood in the production of charcoal in a Missouri-type charcoal kiln;

(B) The provisions of section (3) of this rule shall not apply to the emission of odorous matter from the raising and harvesting of crops nor from the feeding, breeding, and management of livestock or domestic animals or fowl with the exception of Class IA concentrated animal feeding operations; and

(C) The provisions of this rule shall not apply to emissions of odorized natural gas, or the chemicals used to achieve the regulated odorization of natural gas, inherent to the operations of a natural gas utility.

(2) Definitions.

(A) Modification—Any change to a source of odor emissions or source operations, including odor controls, that causes or could cause an increase in potential odor emissions.

(B) Class IA concentrated animal feeding operation—Any concentrated animal feeding operation with a capacity of seven thousand (7,000) animal units or more and corresponding to the following number of animals by species listed below:

Class IA concentrated animal feeding operation 7,000 animal unit equivalents		
Animal species	Animal unit equivalent	Number of animals
Beef feeder or slaughter animal	1.0	7,000
Horse	0.5	3,500
Dairy cow	0.7	4,900
Swine weighing > 55 lbs.	2.5	17,500
Swine weighing < 55 lbs.	10	70,000
Sheep	10	70,000
Laying hens	30	210,000
Pullets	60	420,000
Turkeys	55	385,000
Broiler chickens	100	700,000

(C) Definitions of certain terms specified in this rule, other than those defined in this rule section, may be found in 10 CSR 10-6.020.

(3) General Provisions. No person may cause, permit, or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one (1) volume of odorous air is diluted with seven (7) volumes of odor-free air for two (2) separate trials not less than fifteen (15) minutes apart within the period of one (1) hour. This odor evaluation shall be taken at a location outside of the installation's property boundary.

(A) Control of Odors from Class IA Concentrated Animal Feeding Operations. Notwithstanding any provision in any other regulation to the contrary, all Class IA concentrated animal feeding operations shall operate under an odor control plan describing measures to be used to control odor emissions that are necessary to maintain compliance with the odor performance standard described in section (3). All new Class IA concentrated animal feeding operations and any operation that expands to become a Class IA concentrated animal feeding operation shall obtain approval from the department for an odor control plan at least sixty (60) days prior to commencement of operation.

1. The odor control plan shall contain the following:

A. A listing of all sources of odor emissions and description of how odors are currently being controlled;

B. A listing of all potentially innovative and proven odor control options for reducing odor emissions. Odor control options may include odor reductions achieved through: odor prevention, odor capture and treatment, odor dispersion, add-on control devices, management practices, modifications to feed-stock or waste handling practices, or process changes;

C. A detailed discussion of feasible odor control options for odor emissions. The discussion shall include options determined to be infeasible. Determination of infeasibility should be well documented and based on physical, chemical, and engineering principles demonstrating that technical difficulties would preclude the success of the control option;

D. A ranking of feasible odor control options from most to least effective. Ranking factors shall include odor control effectiveness, expected odor reduction, energy impacts, and economic impacts;

E. An evaluation of the most effective odor control options. Energy, environmental, and economic impacts shall be evaluated on a case-by-case basis;

F. Description of the odor control options to be implemented to reduce odor emissions;



G. A schedule for implementation. The schedule shall establish interim milestones in implementing the odor control plan prior to the implementation deadline if the plan is not implemented at one time; and

H. An odor monitoring plan.

2. The Missouri Department of Natural Resources' Air Pollution Control Program shall review and approve or disapprove the odor control plan.

A. After the program receives an odor control plan, they shall perform a completeness review. Within thirty (30) days of receipt, the program shall notify the plan originator if the plan contains all the elements of a complete odor control plan. If found incomplete, the program shall provide the originator a written explanation of the plan's deficiencies.

B. Within sixty (60) days after determining an odor control plan submittal is deemed complete, the program shall approve or disapprove the plan. During this sixty (60)-day technical review period, the program may request additional information needed for review. If the plan is disapproved, the program shall give the plan originator a written evaluation explaining the reason(s) for disapproval.

(B) Existing odor control plans shall be amended within thirty (30) calendar days of either—

1. A determination by the staff director that there has been a violation of any requirement of this rule; or

2. A determination by the staff director that an amended odor control plan is necessary to address recurring odor emissions.

(4) Reporting and Record Keeping. Odor control plans shall be reviewed and updated as necessary a minimum of every five (5) years from the date last approved or when a modification occurs. In lieu of a full plan update, a letter may be provided to the department stating that a review was performed and the existing odor control plan is adequate. This review letter or odor control plan update shall be due to the department six (6) months before the current odor control plan expires or at least thirty (30) days prior to the modification occurring with the following provisions:

(A) All existing odor control plans shall be updated by March 31, 2011; and

(B) Any person may petition the department to be removed from the odor control plan requirement based on documentation that the odor source has been removed.

(5) Test Methods. Measurements shall be made with a Nasal Ranger as manufactured

by St. Croix Sensory Inc. or by a similar instrument or technique that will give substantially similar results, or as approved by the department.

*AUTHORITY: section 643.050, RSMo 2000. * Original rule filed April 14, 2010, effective Nov. 30, 2010.*

**Original authority: 643.050, RSMo 1965, amended 1972, 1992, 1993, 1995.*

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

PURPOSE: This rule restricts the emission of particulate matter to the ambient air beyond the premises of origin.

(1) Restrictions to Limit Fugitive Particulate Matter Emissions. It shall be a violation of this regulation if, in the opinion of the staff director—

(A) Any person causes or allows to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director; or

(B) Any person causes or allows to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

(2) Should the director determine that non-compliance with section (1) has occurred at a location, the director may require reasonable control measures, as may be necessary. These measures may include, but are not limited to, the following:

A. Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;

B. Paving or frequent cleaning of roads, driveways and parking lots;

C. Application of dust-free surfaces;

D. Application of water; and

E. Planting and maintenance of vegetative ground cover.

(3) Exceptions. Section (1) shall not apply to the following:

(A) Those portions of unpaved public roads that are not designated as nonattainment areas for particulate matter;

(B) Agricultural operations including tilling, planting, cultivating or harvesting within a field, the moving of livestock on foot or the hauling of produce within the confines of a farm; and

(C) Driveways limited to residential use.

(4) The staff director may allow an exemption for unusual and adverse weather conditions for any activity which would otherwise be a violation of section (1). These conditions may include, but are not limited to, high winds, extended dry weather periods and extreme cold weather periods.

*AUTHORITY: section 643.050, RSMo Supp. 1997. * Original rule filed March 5, 1990, effective Nov. 30, 1990. Amended: Filed March 18, 1996, effective Oct. 30, 1996. Amended: Filed Jan. 2, 1998, effective Aug. 30, 1998.*

**Original authority: 643.050, RSMo 1965, amended 1972, 1992, 1995.*

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

PURPOSE: This rule provides that upon request any source shall complete, or have completed, tests of emissions or, at the option of the agency, make the source available for tests of emissions.

(1) Responsible Persons to Have Tests Made. The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be conducted by reputable, qualified personnel. The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

(2) Director May Make Tests. The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and/or other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as